

BELZONA 3211 PROTECTS LPG SPHERES

ID: 90

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PROBLEM

Water penetration through original insulation system had allowed severe underlagging corrosion to occur. The site is an exposed marine site and deluge systems on the sphere are regularly tested so that watertightness is imperative.

APPLICATION SITUATION

Pressurized storage spheres for Liquefied Petroleum Gas (LPG).

APPLICATION METHOD

The insulation was re-installed using a closed cell foam glass that is impervious to water and Belzona® 3211 applied in accordance with Belzona Know-How Leaflet TCC-4.

BELZONA FACTS

Trials with two alternative systems were not successful. Use of Belzona® 3211 in conjunction with a closed cell foam insulation will provide maximum resistance to water penetration. To date three spheres have been protected on the site.

INDUSTRY

Oil & Gas

LOCATION

International Oil Company

APPLICATION DATE

October 1996

PRODUCTS

Belzona 3211 (Lagseal)

SUBSTRATE

Foam glass insulation

PHOTOS

1. Work underway on one of the spheres within the environmental screen
2. Close up of the application showing complete sealing around pipework
3. A completed sphere

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